(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
30 June 2005 (30.06.2005)

PCT

(10) International Publication Number
WO 2005/059731 A1

(51) International Patent Classification[7]: G06F 3/00

(21) International Application Number:
PCT/CN2003/001088

(22) International Filing Date:
19 December 2003 (19.12.2003)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicants *(for all designated States except US)*: **INTEL CORPORATION** [US/US]; 2200 Mission College Boulevard, Santa Clara, CA 95052 (US). **INTEL CHINA LTD.** [CN/CN]; Beijing Kerry Center, 6/F, North Tower, No. 1 GuangHua Road, Chao Yang District, Beijing 100020 (CN).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **YEUNG, Minerva** [US/US]; 969 Sutter Avenue, Sunnyvale, CA 94086 (US). **YEO, Boon-Lock** [SG/US]; 969 Sutter Avenue, Sunnyvale, CA 94086 (US). **LI, Dan** [CN/CN]; Room 301, Bldg. 83, PingJiYiCun, HongXin Road, Shanghai 200336 (CN). **TANG, Xing** [CN/CN]; Room 1201, Bldg. 39, 155 Lane of Lianhua (South) Road, Shanghai 200237 (CN).

(74) Agent: **RUNPING & PARTNERS**; Suite 509, Yingu Mansion, No. 9 Beisihuanxilu, Haidian District, Beijing 100080 (CN).

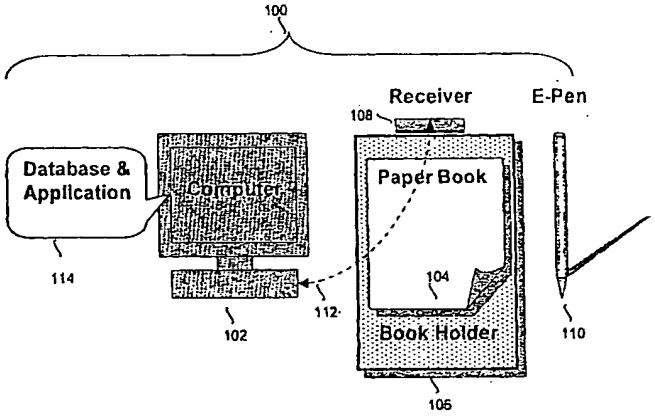
(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States *(regional)*: ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*

[Continued on next page]

(54) Title: CREATING RESPONSES FOR AN ELECTRONIC PEN-COMPUTER MULTIMEDIA INTERACTIVE SYSTEM



(57) Abstract: A system for associating a selected object on any printed material to a valid response provided by a computer system includes a maker component to define an object on a page of printed material, and to link a position of the object on the page, the contents of the page, and the response to be performed by a computer system. The system also includes a pointing device to determine a position on the printed material, a communicating device to transmit the position to the computer system, and a player component to correlate the position to selected digital content associated with the printed materials, the selected digital content being accessible by the computer system; and to provide a valid response to a user based at least in part on the position and the correlated content, wherein the valid response includes at least one of rendering audio content, rendering video content, rendering image content, and performing an action by the computer system.

WO 2005/059731 A1

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.